FireKab SIHF FE180



Areas of Use

FireKab fire resistant cables are used for fire alarm systems, power supply or control of equipment that needs to function during a fire such as warning, emergency lighting, evacuation and monitor systems. The place of usage is intelligent or semi-intelligent buildings where dense human population or valuable goods are found. These can be hospitals, cinemas, theatres, schools, shopping centers, airports, factories, etc. FireKab products have low smoke density, are halogen-free and they don't emit poisonous gases.

Cable Construction

Conductor	Stranded Annealed Copper (IEC/EN 60228, Class 5)
Insulation	Fire Resistant Silicon Rubber (EN 50363-1, BS 7655 EI2)
Core Colors	BS 7671, HD 308-S2,VDE 0293-308 (for more than 5 cores white core-black numbered)
Outer Sheath	Special Fire Resistant Silicon Rubber, Oxbrown - Red

Technical Properties

Operating Voltage	<1.5 mm² 300 V - 500 V; >1.5 mm² 450 V - 750 V
Test Voltage	2500 V
Conductor Resistance	0.75 mm² - ≤26 Ω/km; 1.00 mm² - ≤19.3 Ω/km; 1.50 mm² - ≤13.3 Ω/km; 2.50 mm² - ≤8 Ω/km
Insulation Resistance	>200 M.Ωxkm
Temperature Range	Sabit: -50 °C.....+180 °C, Hareketli: -20 °C.....+150 °C
Smoke Density	IEC/EN 61034-2
Amount of Halogen Acid Gas	IEC/EN 60754-1
Corrosive Gases Measurement	IEC/EN 60754-2
Min. Bending Radius (Fixed)	7.5 x Cable Diameter
Flame Retardancy	IEC/EN 60332-1, IEC/EN 60332-3-24
Fire Resistance	IEC 60331-21

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